Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/28/2021 09:14 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123995	-1	1.30	123881	1.28
Blue	F	SSC	125000	122653	-2	2.31	122921	2.12
Blue	E	FITC	13131	12734	-4	2.37	293	15.91
Blue	D	PE	24112	23720	-2	1.79	543	10.95
Blue	B	PerCP-Cy5-5	31295	30325	-4	3.12	1006	14.57
Blue	A	PE-Cy7	19939	19355	-3	5.34	511	29.07
Red	C	APC	42122	41214	-3	2.97	1726	11.30
Red	A	APC-Cy7	22340	21682	-3	3.20	808	11.73
Violet	B	V450	7410	7042	-5	3.47	426	12.53
Violet	A	V500	28118	27112	-4	3.02	676	9.70

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23050	1.53	571	2	N/A	N/A	Pass
Blue	F	SSC	57109	1.16	521	9	N/A	N/A	Pass
Blue	E	FITC	54	54.62	487	0	0.0387	91	Pass
Blue	D	PE	114	37.07	490	2	0.3817	279	Pass
Blue	B	PerCP-Cy5-5	186	36.49	585	-1	0.0199	88	Pass
Blue	A	PE-Cy7	101	68.91	627	-1	0.0225	3	Pass
Red	C	APC	399	23.72	578	2	0.0285	182	Pass
Red	A	APC-Cy7	182	28.05	553	2	0.0063	1244	Pass
Violet	B	V450	60	60.31	460	7	0.0544	1741	Pass
Violet	A	V500	97	31.21	472	7	0.0249	380	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/28/2021 09:14 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.75	-31.39	1.03
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.43
Red	15.12	13.60 - 20.40	N/A	N/A	29.78	30.04	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 14678

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments